

## Hamrick And Ivy Eye Seventh Anniversary Of Employment In Y-12 Without Day's Absence

August 2 and August 26 are important anniversary dates for two well-known Y-12ers. Those dates mark the employment days of Paschal Hamrick and Briscoe Ivy, respectively, who came to Y-12 back in the hectic war days of 1943. The mere fact that these two men have been on the payroll that long is not news in itself—but that fact that neither has missed a day of work and have established perfect attendance records over that long seven-year span is news.

Up to press time of The Bulletin this week these records were intact and there were no indications that either Hamrick or Ivy would mar their highly commendable achievements.

### Have Met May Y-12ers

Both are members of the Employee Relations Department—Hamrick being rated as an interviewer while Ivy is a driver. In their capacities they probably have been associated with more fellow employees over the period of seven years than a large percentage of Y-12ers, regardless of their tenure of employment.

Naturally their early employ-

Continued on Page 4



6-1655 Y-12 Photos By Vince Moore  
FOR THE PAST SEVERAL YEARS NOW THE MONTH OF August has been the time of especial significance for Briscoe Ivy, left, and Paschal Hamrick. On August 26 Ivy will have completed seven years with the organization without a single day absent from work while Hamrick is observing his seventh anniversary today, August 2, with no absences.

## Carbide To Sponsor Election Returns Broadcast Thursday

As a public service to all Oak Ridgers, Carbide will sponsor the broadcasting of all election returns in the Anderson County General Election and the Democratic and Republican Primaries on election night, tomorrow, Thursday, August 3. The broadcasts will be given periodically over Oak Ridge Radio Station WATO as soon as returns are received and tabulated. If any of the more important races in the three elections are close at sign-off time of the radio station it may continue on the air until definite results are learned.

## MIT Professor To Address Physics Seminar Session

Prof. Clark Goodman, of the Massachusetts Institute of Technology, will lead the discussion at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, August 4. The meeting will be held in the East Lounge of the Ridge Recreation Hall.

The topic of Professor Goodman's talk will be "Some Experiments With Monoenergetic Neutrons." All Y-12 technical and scientific personnel interested in the subject are invited to attend the seminar session.

## Russia Reported Short Of Uranium

In the Scripps-Howard Round-Up published in the Washington News it is stated that the United States government has learned that Russia is stockpiling food, fuel and military equipment, but also is having trouble getting sufficient uranium for atomic bombs.

## Stores Department Keeps Perfect Attendance Record In Major League For Second Week

The Stores Department maintained its perfect attendance record in the Major League of Y-12 departments with more than 50 employees scheduled by posting a spotless mark for the second consecutive week for the reporting period ending July 23. It was the eighth consecutive week that a Major League department has had a perfect mark. Meanwhile, the plant-wide absentee record for that week increased .1 per cent from the preceding week to 1.5 per cent.

Second place in the Major League was taken over by the Analytical Laboratory with an absentee record of only .2 per cent. It advanced from eighth place held the previous week. In third place was Buildings and Grounds with .6 per cent of its personnel absent and which was in second place for the week ending July 16.

In the Minor League of depart-

Continued on Page 2

### SAFETY SCOREBOARD

Your Plant Has  
Operated  
17 Days  
Without A Lost Time  
Accident  
Through July 30

## Man Experimenting With Gooey Concoction On Hot Stove Creates Smelly Situation—But Rubber Vulcanizing Began

"My gosh—it stinks."

Many times that remark has passed in chemical laboratories—but in some cases remarkable discoveries have accompanied the unwelcome appearance of unpleasant aromas. For instance a man named Goodyear was experimenting with a gooey concoction in a pot on a common cookstove when it boiled over—creating quite a smelly situation. However, there and then rubber vulcanizing was born.

When unpleasant odors appear around a laboratory all hands set to work immediately in an effort to eliminate it. Some odors are quite stubborn, and a case in point was the exhaust air from a mercaptan dryer in a large laboratory in the country.

It baffled good chemists and engineers in the plant, and even some odor elimination "experts." They scrubbed the dryer with chemicals that should have de-

stroyed any mercaptan. The dryer was treated with ozone, washed with fuel oil, burned in a furnace, all to no avail.

Then someone suggested placing a condenser in the exhaust line and from this a colorless liquid was collected which proved to be the smelly troublemaker. It was not mercaptan, as anticipated, but was shown to be the base, benzothiazole.

The bad odor then was readily eliminated. The exhaust air was passed through a 60 per cent sulfuric acid solution which fixed the base as benzothiazole sulfate. This discovery ended the first act.

The second act opened with the question, "What to do with the by-product, benzothiazole sulfate?" The setting for the second act was the research and development laboratories. Competent chemists combined the sulfate with other chemicals and many tests were made for a variety of uses. The second

## Y-12 Employees Credit Union Is Rapidly Growing; \$15,000 Is Invested; Loans Keep Pace

Office Clerk Will Be Employed To Help Handle Membership, Loan Applications; Pass Books Will Be Distributed Soon

The Y-12 Employees Credit Union is growing by leaps and bounds—both from the standpoint of members and the invested capital—according to figures announced last week by Treasurer W. K. Palmer and President Don Phillips. In fact, business of the organization has so increased that the board of directors last week

authorized employment of a office clerk to aid members of the board and other officials of the credit union in handling applications for membership, loans and keeping books.

### \$2,000 Invested Friday

Last Friday Palmer estimated that the credit union had assets of more than \$15,000 and that loans were keeping pace of purchase of shares by employees. On that day alone, Palmer said, about \$2,000 in cash was invested in credit union shares with one purchase alone amounting to the limit for such subscription of \$1,000 in cash and another being for \$500 in cash.

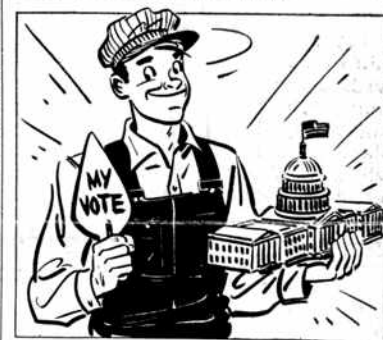
Meanwhile, the treasurer said, payroll deductions are nearing \$7,000 per month for Y-12ers buying shares and repaying loans through this method.

### About 400 Are Members

Mabel Tyler, clerk of the credit union, last week was busy filling out pass books for the approximately 400 Y-12ers who belong to the organization through purchase of shares. These books will be distributed to the members as soon as they are completed and posted up to date.

Palmer also announced last Friday that Mrs. Lorena Causey, of Oak Ridge, had been employed as the office clerk for the credit union and probably would come to work some time this week. She will be stationed in the office of the credit union, Room 20, Bldg. 9704-2, and serve applicants for memberships or loans during the regular office hours of 11:30 a. m. to 1 p. m.

## Y-12 ers Urged To Cast Vote In Elections



Men and women of Y-12 who are qualified voters will join fellow citizens from all of Tennessee in visiting the polls tomorrow, Thursday, August 3, to vote for their choice of public officials to serve them from local to national levels.

Being a qualified voter and eligible to cast ballots for their choice of public officials is one of the great privileges of American citizens. It also is more—it is a responsibility. No citizen has a right to "gripe" about the calibre of persons representing them in government if said citizen does not exercise the right of voting. Americans receive a degree of efficiency, honesty and economy in government only in direct proportion to the interest displayed in exercising their voting power.

Interest in the elections being held tomorrow—Anderson County General Election, the Democratic and Republican Primaries—has been keen. All Y-12ers who are qualified are urged to go to the polls and cast a ballot for the candidates of their choice. By so taking advantage of the opportunity to vote in a free election these citizens are taking an active part in the democratic processes of the nation, discharging their responsibilities and gaining the right to voice their opinions on the affairs of the county, state and nation.

Probably most voters have made up their minds as to who they will vote for—but for those who have not it is urged that careful consideration be given the qualifications of all candidates considered, regardless of political affiliations. The business of tossing a coin to determine the choice of candidate is not the wise way to make a selection.

So, it is hoped that all Y-12ers will go to the polls Thursday and vote—vote according to your best judgement—but vote.



# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
CARBIDE AND CARBON  
CHEMICALS DIVISION  
Union Carbide And Carbon  
Corporation  
Post Office Box P

Oak Ridge Tenn.

GEORGE W. DOBBS . . . . . Editor

## OFFICE

North Portal, Bldg. 9701-1  
Telephone 7-8252

## Stores Department Again 'All Present'

Continued from Page 1  
ments with 15-49 employees scheduled there were eight departments with perfect attendance marks for the week ending July 23 as against 10 the preceding week. Four departments in the Minor League continued their long streak of "all present" records, they being the Laundry with 13 straight weeks, Steam Plant and Receiving and Shipping with 12 each and Property with 11.

Also in the perfect attendance bracket for the week ending July 23 in the Minor League were the Superintendents and Employee Relations, repeating from the previous week, Transportation, advancing from second place; and Plant Engineering, in fifth place the preceding week.

### Two Tied For Second

Planning and Estimating and the Janitors were tied for second place with absentee marks of 1.11 per cent each. Planning and Estimating dropped down from a first-place tie held the preceding week while the Janitors rose from sixth place. Another department that was in a first-place tie for the week ending July 16, Uranium Control and Computing, was in third place the following week with 1.2 per cent of its employees absent.

The plant-wide absentee record for the week ending July 23, by departments, follows:

MAJOR LEAGUE			
More Than 50 Employees Scheduled			
Dept.	Percentage Absent	Standing 7-23-50	7-16-50
2142	0.0	1	1
2282	0.2	2	8
2014	0.6	3	2
2300	0.8	4	6
2091	0.86	5	11
2616	0.90	6	5
2015	1.0	7	4
2360	2.0	8	12
2619	2.3	9	3
2283	2.4	10	9
2320	2.6	11	7
2077	2.9	12	10
2003	4.2	13	13

Group absentee percentage was 1.7 per cent, .1 per cent higher than the preceding week

MINOR LEAGUE			
75-49 Employees Scheduled			
Dept.	Percentage Absent	Standing 7-23-50	7-16-50
2096	0.0	1	1
2140	0.0	1	1
2200	0.0	1	1
2743	0.0	1	1
2143	0.0	1	1
2109	0.0	1	1
2008	0.0	1	2
2060	0.0	1	5
2001	1.11	2	6
2002	1.11	2	1
2739	1.2	3	1
2064	2.5	4	1
2270	2.9	5	1
2133	3.1	6	7
2005	3.5	7	3
2107	5.5	8	4

Group absentee percentage was 1.3 per cent, .5 per cent higher than the preceding week.

The plant average for the week ending July 23 was 1.5 per cent, .1 per cent higher than the preceding week.



M. Carl Becker, of Plant Engineering, was the only Y-12 employee listed as father of a baby born at the Oak Ridge Hospital recently. The baby was a girl, born July 21.



MISS SHIRLEY McKAY, OF THE Y-12 ASSAY LABORATORY, WHO WAS MARRIED AUGUST 1 to J. Giles Morgan, was honored with a linen shower Tuesday night, July 25, at the home of Mrs. Jo Wright, 240 South Purdue, Oak Ridge. In the picture of the party above the honoree is seated directly under the clock in the back row. Hostesses were Ozell Pass, Eula Hayes, T. I. Kinsley and Jo Wright. Guests included Marcelle Ferguson, Annie Rogers, Virginia Hill, Nell Leonard, Mary Katherine Householder, Agnes Johnson, Sammie Mattingly, Dora Whaley, Jo Brown, Olean Rutland and Dorothy Reynolds, all fellow employees of Miss McKay; and Mary Ballard and Evelyn Plumlee, former employees.

Y-12 Photos By Vince Moore



F-L-A-S-H . . . News headline from Daytona Beach, Fla.

### OAK RIDGE LOVELY IN CLINK HERE



Furthermore—here's a photograph to prove it. The "Lovely" victim of durance vile is none other than Pauline Lovely, of Receiving and Shipping, who was vacationing down thataway last week. However, Pauline has communicated with friends in these parts who arranged to spring her from the hoosegow and she is expected back on the job in Y-12 this week.

Warren Grimes and Keith Brown, of Chemical Research, headed their group on a steak fry at Norris July 26. The crowd of 43 folks got the nod from the weatherman as the rain held off until the party was over . . . Virginia Spivey, with Mozelle Rankin, of the Electromagnetic Research Laboratory; and Lovelle Thompson, of Superintendents; spent a recent week end in a hole in the ground—probably the biggest known—Mammoth Cave, Ky. . . . Albert Clark is on active duty with the Army Reserve Corps in Washington for two weeks . . . D. G. Hill spent a recent week end at Center Hill Lake in Middle Tennessee and reported reasonably good luck in his fishing.

Jeanette Arnold, of Product

Chemical, had as a recent guest Miss Rita Callanan, of New York City . . . Magnolia Huddleston is back from vacationing with photographic evidence of her prowess as a fisherwoman—just wait until next week and everyone will see the picture.

Property Sales reports that J. K. Jenkins is vacationing for a week at his home in Kingston.

F. M. Henry, of Buildings and Grounds, is vacationing for a week . . . E. E. Green and Avery F. Kendig, of Transportation, and their families are vacationing for a week at Virginia Beach.

J. Miller and F. H. Alvis, both of the Transportation Department, are on the vacation list this week.

Sgt. James P. Seagle, of the Guard Department, completed seven years of employment July 23 and had only been absent three days in that time, colleagues in the department inform us . . . L. E. Bellamy is spending a two-week vacation on a trip to Washington, D. C., points in Pennsylvania, Akron and Cleveland, Ohio, and Chicago.

Maintenance Utilities reports A. W. Byford is vacationing for two weeks.

Clifford Holt, of Field Maintenance, also is vacationing for two weeks, as is T. J. Brooks—destinations unannounced . . . M. P. Crews went over to Nashville to investigate the fishing facilities thereabouts while vacationing for two weeks . . . E. L. Hill is spending a few days in New York City while L. P. Parrett is vacationing for one week up in Kentucky.

All Y-12 friends of Morris Bailis joins Field Maintenance in offering deepest sympathy over the death last week of Mrs. Bailis in the Oak Ridge Hospital.

Henry (The Mouse) Krouse, of the Fire Department, and his wife are vacationing for a week with her folks up in Arvon, Va.

Wayne Groppe, Harold Wesson and Harvey Hankins are being given a warm welcome to the Research Engineering Department. . . . Leo F. Hemphill is spending a one-week vacation at home in Oak Ridge.

James R. Whitcomb, Y-12's housing and insurance man, and his family went over to Big Ridge for a week's vacation.

All Electrical Maintenance can report this week is that Sam King is on vacation. (Whassa matter, Evan, you slipping?)

Fred Kappelman, of Isotope Research and Production, is spending a two-week vacation with his mother at Lynbrook, L. I., N. Y., and taking in the sights of nearby suburban Manhattan . . . Bill Cobb and family enjoyed a couple of weeks over at Myrtle Beach, S. C. Graydon Whitman and his wife visited relatives in Ohio while on vacation . . . Carl Frazier and his wife are back from vacation, during which time they visited in Cincinnati long enough to see the Cincy Reds and the Brooklyn Dodgers in action . . . Anyone wanting to know about the wonders of the West are advised to get in touch with the two Joes (Patton and Walton) who have just toured that section on a recent two-week vacation . . . Porter Holland and family are vacationing for two weeks in Daytona Beach and Key West, Fla.

Ruby McCloud and her husband have returned from a week's vacation at Virginia Beach, Va., Chemical reports . . . The department extends sympathy to W. E. Raby over the death of his father-in-law on July 19 in Byington.

Lucia Padgett, of Stores, is vacationing at her home in Knoxville for two weeks . . . W. R. Kelly is doing likewise in Oak Ridge.

Arthur Hauther, of Manufacturing Office, is vacationing for a week at his home in Knoxville. . . After spending the first half of his vacation some time back in Illinois, Ray Barron enjoyed the last half of his rest period at home in Oak Ridge.

Bill Hays, of Security, is the very proud possessor of a Peek purp and is seriously considering training the little canine as a future mascot for Fire Chief John Hughey's little red fire engine. Tai-San, the purp, (meaning Head Man in Chinese) recently spotted a short-circuited radio wire in the Hays home (says Bill) and sounded the alarm in no uncertain terms in loud dog language. Now he really is the Head Man around the Hays household. Having substituted this for the second best fish story of the week—s'long until next time.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.

Competition is necessary for freedom. It is one of the real reasons for the American people's prosperity, high wages and high standard of living.



### MORGAN-McKAY

A social event of interest to many Y-12ers was the marriage last night, August 1, of Miss Shirley McKay, of the Assay Laboratory; and J. Giles Morgan, of the Materials Section of Fairchild Engine and Airplane Co. The ceremony was performed at 7:30 p. m. at the Chapel-On-The-Hill by the Rev. William Larkin.

The bride is the daughter of Mr. and Mrs. David O. McKay, 111 Parker Road, Oak Ridge. Morgan is the son of Mrs. James G. Morgan, of North East, Pa.

The bride was given in marriage by her father. At her wedding she wore a gown of white lace, round neck and ballerina length. The neck and sleeves were trimmed in rhinestones. She wore a finger tip veil and carried a bouquet of white roses.

Miss Ozell Pass, a fellow employee of the bride, was maid of honor. She wore a blue eyelet dress with round neck and ballerina length and carried a bouquet of pink roses.

Charles Stilson, Jr., of Oak Ridge, was best man and ushers were Robert Toal, of Oak Ridge, and Paul McKay, of Knoxville.

During the ceremony nuptial music was played by Don Cowan.

Following the wedding a reception was held at the home of the bride's parents.

Out-of-town guests included Mrs. Morgan, mother of the groom, and the Rev. and Mrs. William Larkin, of Pittsburgh, Pa.

Mrs. Morgan attended St. Charles High School, St. Charles, Va., while her husband attended Grove City College, Grove City, Pa., and the University of Pittsburgh.

The couple will live in Oak Ridge.

## Last Summer Course By ORINS Opened Monday In Oak Ridge

The last of the 1950 summer series of courses in radioactive isotope technique given by the Oak Ridge Institute of Nuclear Studies began Monday of this week with scientists from 26 states among the 32 enrolled. It is the 17th such course given by the institute.

The research workers enrolled in the course will use radioactive isotopes in the fields of agriculture, biology, chemistry, industry, medicine and physics. The courses last for four weeks and are designed to aid scientists in the techniques of using radioactive isotopes in research work in their own laboratories.

The courses are directed by Dr. Ralph T. Overman and since they were inaugurated 560 scientists representing 43 states, Hawaii and Puerto Rico have attended the sessions.



The following Y-12 employees were patients at the Oak Ridge Hospital last week: Archie W. Riikola, Electromagnetic Research Laboratory; Warren B. Tyree, Maintenance Shops; and Melbourne L. Winton, Electromagnetic Research Laboratory.

We need more faith in human goodness; less fault-finding, and more truth-finding; less picking at personalities, and more reverencing of personalities; less reforming of others, and more transforming of ourselves; less talking about peace, and more living the life of peace.



# ALL-CARBIDE GOLF TOURNAMENT SET FOR SEPTEMBER

## SPORTS NEWS IN Y-12

### Bums Bump Rippers 26-13 In Plant Loop

The Oak Ridge monsoon season finally lifted its veil of moisture long enough last Thursday night to allow the Y-12 Plant League to resume operations for the first time in three weeks. Only one game was played, but it was packed enough action for several as the Bums bumped the Rippers by the football score of 26 to 13.

With players and fans alike hoping the rains will hold up for awhile, the league will continue its present schedule through the second half with makeup games being arranged later where necessary to determine the winner in the second half of play. Bldg. 9212 easily took the first half championship.

The schedule for the immediate future follows:

**Thursday, August 3—6:30 p. m., Bldg. 9212 vs Bums. 8 p. m., Isotopes vs All Stars.**

**Tuesday, August 8—6:30 p. m., Rippers vs Bldg. 9212. 8 p. m., Bums vs All Stars.**

Weather permitting, the Bums and Isotopes were scheduled to meet at 6:30 o'clock last night, Tuesday, August 1, followed by the Rippers and All Stars at 8 o'clock.

#### Bums Overcome Big Lead

In the wild game last week the Rippers got away to what looked like a safe lead, holding a 13 to 4 lead at the end of two and one-half innings of play. Then the Bums tallied 14 runs in their half of the third and added eight more in the next round and everybody decided it was enough for the night. Argo socked a homer for the Bums and Anderson also got a four-bagger and single in four trips. Rice banged out two for two and Brown got four walks. Montgomery got a three-bagger for the Rippers. The Bums got only 11 hits but passes and seven errors enabled them to win the walkaway.

The Isotopes forfeited their scheduled game to the Bldg. 9212 by being unable to field a full team but in a practice game between a team composed of Isotope players present and some added talent defeated the first-half winners by 7 to 3.

Score by innings:

Team	R	H	E
Rippers	4	3	6
Bums	4	0	14

Batteries: Rippers, Fowler, Montgomery, Groppe and Orange. Bums, Walton, Shotts and Brown. (Called at end of fifth inning by agreement.)

### Second Half Schedule Of Baseball League

Here is the schedule for the remainder of the second half of the season of the Oak Ridge Baseball League.

**Thursday, August 3—K-25 at Y-12.**

**Friday, August 4—Open.**

**Sunday, August 6—K-25 at Lake City.**

**Monday, August 7—Open.**

**Wednesday, August 9—ORNL at Roane-Anderson.**

**Thursday, August 10—Open.**

**Friday, August 11—Y-12 at Roane-Anderson.**

**Saturday, August 12—K-25 at ORNL.**

**Sunday, August 13—Roane-Anderson at Lake City.**

**Monday, August 14—ORNL at Y-12.**

**Wednesday, August 16—Lake City at K-25.**

**Thursday, August 17—Roane-Anderson at ORNL.**

**Friday, August 18—Y-12 at K-25.**

**Sunday, August 20—ORNL at Lake City.**

**Monday, August 21—K-25 at Roane-Anderson.**

**Wednesday, August 23—Lake City at Y-12.**

**Thursday, August 24—ORNL at K-25.**

**Friday, August 25—Roane-Anderson at Y-12.**

Note: All Lake City home games at Lake City at 3 p.m. All other games at the Gamble Valley stadium at 8 p.m.

### Bill Burns Learns How To Lose-Win All At Same Time



Bill Burns and Oscar

Bill Burns, affable manager of the Y-12 Cardinals, was a puzzled person one day last week. He was trying to figure out how his ball club could lose—but still win—at one and the same time.

The Y-12 ball club went through some hectic experiences in the late and unlamented Lake City district baseball tournament.

They lost the only game played—to Oneida by 8 to 6—but still finished in third place as Sunbright didn't want any more than one trip to the jousting grounds and forfeited to the Cards.

So, tournament officials sent over a nice little trophy—immediately christened "Oscar" by the Recreation Office and the ball players—attesting to the final standing of the team. "Oscar" now is a member in good standing along with the many other trophies won by Y-12 sports teams.

In addition to winning the third place trophy the Cardinals placed one player—Elmer Johnson—on the tournament all-star team.

Johnson, the popular pitcher, outfielder and all around handy man of the team, played but five innings in the Oneida game, replacing the injured Bill Elmer Johnson Dodson in right field after Dodson suffered his broken arm. However, Elmer's smooth performance in the field in playing stylish and errorless ball and getting one hit out of two trips to the plate, earned him the selection. Manager Burns was saving Johnson to pitch the second game if Y-12 had won the initial contest, but Dodson's injury forced the Card skipper to call on Elmer to help out.

Elmer Johnson Dodson in right field after Dodson suffered his broken arm. However, Elmer's smooth performance in the field in playing stylish and errorless ball and getting one hit out of two trips to the plate, earned him the selection. Manager Burns was saving Johnson to pitch the second game if Y-12 had won the initial contest, but Dodson's injury forced the Card skipper to call on Elmer to help out.

### Athens Will Play Robins Here On Friday Night

The Y-12 Robins will entertain the Athens women's softball team at 8 o'clock Friday night, August 4, at Pinewood Park. The Robins defeated the downstate girls last Saturday night by 9 to 6 while the Y-12 men's team was beaten by Athens by the score of 9 to 2.

Line scores of the games at Athens follow:

Team	R	H	E
Y-12	013	000	5-9
Athens	012	000	3-6

Batteries: Y-12, Pat Roberts and Bonnie Roberts.

Team	R	H	E
Y-12	000	11-2	3
Athens	301	4x-8	4

Batteries: Y-12, Snyder and Barker. Athens, Adams and Permour. Five innings by agreement.)

### Cards Hope For Win Over K-25 Thursday

After a sad Sunday session over at Lake City in which they absorbed a 10 to 1 defeat, the Y-12 Cardinals will endeavor to recover their winning touch at 8 o'clock tomorrow night, Thursday, August 3, when they tackle the strong K-25 Hubs at Gamble Valley. After this engagement the next scheduled game for the Cards will be at 8 o'clock next Friday night, August 11, against Roane-Anderson.

Although they got 10 hits off Lake City hurler Duncan, the Cards could not bunch their blows and left numerous base runners. Meanwhile, the home team was touching Johnson and Tally freely. The Cards were short handed, several players being unable to make the trip.

Weather permitting, that long-awaited first half of the season championship game will be played at 8 o'clock Friday night, August 4, between Oak Ridge National Laboratory and K-25.

Score by innings of the Lake City debacle follows:

Team	R	H	E
Y-12	010	000	000-1
Lake City	220	312	00x-10

Batteries: Y-12, Johnson, Talley (6) and Hicks. Lake City, Duncan and Clapp.

### Varsity Softies End Loop Schedule Friday

The Y-12 men's varsity softball team will conclude its regular Oak Ridge City League schedule Friday night, August 4, when they tackle Oak Ridge National Laboratory in a postponed game. This tilt will start at 7 p. m. at the Turnpike Park and will be followed at 8:30 o'clock by a tilt between K-25 and the Vagabonds. In a "package deal" makeup game slated for Monday night of this week the Y-12ers and Oak Ridge Motors agreed to let the winner get credit for two games in the standings.

The Y-12 softies lost another one run game last week to the Vagabonds, and probably established an Oak Ridge record for losses by a single tally. The Vagabonds scored their margin of victory in the last inning to post a 5 to 4 victory. At that the Y-12ers seemed fortunate to score four times, as they got but one hit, a triple by McPherson.

Score by innings:

Team	R	H	E
Vagabonds	211	000	1-5
Y-12	111	001	0-4

Batteries: Vagabonds, Hawkins and Coffee. Y-12, Sise and Hale.

### Y-12 Meets Roane-Anderson In First Tournament Tilt

Because of the multitude of rained out games authorities have decided to roll back the starting date for the Oak Ridge softball tournament from August 4 to next Monday night, August 7.

The Y-12 team led by Manager Richard Dews will tackle the Roane-Anderson outfit in the second tournament game scheduled for 9 o'clock at the Turnpike Park.

Winner of the Oak Ridge tourney will go to Chattanooga to play in the state tournament August 18, 19, 20 and 21.

### Reynolds Defeated For Golf Crown

Bill Reynolds, one of Y-12's better golfers, was defeated by Woody Allen, three and two, in the finals of the championship flight of the

## Approximately 150 Expected To Enter; Qualifying Round Deadline Will Be August 21

Timetable For Matches Require Finals In All Flights Before September 25; Event Open Only To Company Employees

What is expected to be the biggest golf tournament ever held in Oak Ridge from the standpoint of number of participants will be staged next month at the Oak Ridge Country Club when the All-Carbide Golf Tournament is scheduled. The event probably will settle the moot question as to who is Carbide's best golfer in the three Atomic City installations as it is open only to all employees, men and women, in Y-12, K-25 and the Oak Ridge National Laboratory.

There will be no mixed competition between men and women, but the women will compete in flights of their own with suitable prizes for the winners if a sufficient number of entries are received from the fair sex. As there are several better than average feminine golfers in the three plants here, it is hoped that they will turn out to participate in competition of their own.

#### More Than 150 Expected

Recreation supervisors of the three Carbide installations expect more than 150 men golfers to enter the tournament. Because of this large number, the supervisors stress the necessity of meeting prescribed deadlines for reporting qualifying round scores and playing of matches.

All entrants in the tournament must turn in to their respective Recreation Offices not later than 8 a. m., Monday, August 21, an 18-hole qualifying score posted in play over the Oak Ridge course. Players participating in league play or other competitive play after July 27 may use their scores for qualifying in the tournament. The score cards for the qualifying round must be attested by some other golfer playing with the entrant. Only one score may be turned in for qualifying.

#### Must Play Both Sides

Entrants may play the front nine holes of the course one day and the back nine another, but both the front and back nines must be included in the 18-hole qualifying score and both scores must be properly attested.

First round matches must be completed by September 5, 15 days after qualifying closes. Seven more days will be allowed for completion of second round matches, which must be finished by September 12. The final rounds must be wound up by September 25, which allows 13 days from completion of second round engagements.

#### 18-Hole Matches Prescribed

All matches in the championship, first, second, third and fourth flights will be over the 18-hole route. All others may be nine holes by agreement, but if the contestants fail to agree the matches will be 18 holes.

If contestants wish to play matches over another golf course this may be done by unanimous agreement, otherwise the tilts must be played over the Oak Ridge course. Players will follow the rules of whatever course is played. Any questions as to rules will be settled by the professional of the course being played.

#### Prompt Reports Urged

To expedite handling of the tournament, every winner is urged to immediately report the result of a match to his own Recreation Office.

Following the example set in the All-Carbide Bowling Tournament last spring, the Company will present handsome trophies to winners in all flights and also to the medalist and runners-up in the championship flight and the first flight.

Oak Ridge city golf tournament. The match was played Sunday at the Oak Ridge Golf and Country Club.

## Y-12 Summer Bowlers Defeat Hill Toppers

The Y-12 keggers in the Oak Ridge Summer Bowling League maintained their lofty position at the top of the loop standings last Thursday night by handing the Hill Top Market pinnen a three point to one walloping. The alley engagement was staged at the Oak Terrace.

The Y-12ers opened slowly, losing the first game by 795 to 745. However, they started to work in the second game, taking that contest by 785 to 711 and the last tilt by 796 to 665. The total score was 2,318 for Y-12 and 2,171 for Hill Top Market.

Bill Burns led the Y-12ers with 497, followed by Riddle 480, Knox 472, Gragg 440 and Green 409.

Only two more sessions of bowling face the summer bowlers before the season is concluded. In order to complete the schedule early to allow renovation of the alleys, the league probably will bowl this Thursday night and again Sunday night.

## Robins Maul K-25 Bluebirds In First Of Series Games

The Y-12 Robins took an easy lead in their best two out of three series against the K-25 Bluebirds for the Oak Ridge women's softball championship and the right to represent the city in the state tournament in Chattanooga August 18, 19, 20 and 21. The Y-12 lassies turned on the heat last Thursday night at Pinewood Park to romp in with a 16 to 2 victory.

Pat Roberts faced only 28 batters and pitched a three-hitter. She was never in trouble as the Robins got 10 and were helped along by eight Bluebird errors. Sister Bonnie Roberts, catcher for the Robins, banged out three hits, as did Helen Aikman. Juanita Reed got a pair of bingles, including a home run. The fielding of the Robins also was superlative, only one bobble being charged against the Y-12ers, who turned in a snappy double play from Aikman to McGinnis to Morriset.

The date for the second game of the series had not been set by press time of The Bulletin but will be announced as soon as determined.

Score by innings:

Team	R	H	E
Y-12	302	430	4
K-25	002	000	0

Batteries: Y-12, P. Roberts and B. Roberts. K-25, Crowe and Hopson.

## Softball Teams To Visit Harriman

The Y-12 varsity softball teams, both men and women, will journey over to Harriman for a double-header against the home teams on Saturday night. First game will start at 7:30 o'clock.



**CARBIDE AND CARBON  
CHEMICALS DIVISION**  
Union Carbide And Carbon Corporation  
P. O. Box P.  
Oak Ridge, Tenn.  
(RETURN POSTAGE GUARANTEED)

Sec. 34.66, P.L.&R.  
U. S. Postage  
PAID  
Oak Ridge, Tenn.  
Permit No. 3

## Atomic Energy Museum To 'Take Show On Road' To Three Fairs; 'Frog Giggling,' Atomic Style, Among New Exhibits Coming Here

The American Museum of Atomic Energy is "taking the show on the road" this autumn, according to Curator David L. DeJarnette, in addition to adding to its local collection of exhibits.

Museum exhibits will be shown at the Indiana State Fair at Indianapolis from August 30 through September 7, the Mid-South Fair at Memphis from September 18

through September 25 and the Texas State Fair at Dallas from October 8 to October 21. More than 3,000,000 visitors are expected at the three fairs.

Among the new features at the museum here will be a radioactive frog exhibit. Several frogs, two of which are radioactive, hop about in a lucite-enclosed pool. A Geiger tube mounted on a mov-

able shaft enables museum visitors to go "frog-giggling," atomic style, by picking out the radioactive frogs from their "colder" brethren.

Several other new exhibits have been received at the museum that will enable the institution to service its fair and university calls without depleting the permanent displays here. Major additions are a Dunning "atomic furnace" that demonstrates the splitting of Uranium 235 atoms by neutron from a radium-beryllium source. Two 250,000-volt Van de Graaff generators also have been acquired as have a 15-foot high pile model, radioactive plants and samples of uranium ores.

Most of the new exhibits are being sent here from the Atomic Energy Commission's Brookhaven National Laboratory at Upton, N. Y., and are expected to be on display this week.

The museum, operated by the Oak Ridge Institute of Nuclear Studies, has proven one of the city's most important points of interest. Housed in the Jefferson section of Oak Ridge, it has drawn thousands of tourists as well as many Oak Ridgers to see its varied displays explaining atomic energy. The museum's exhibits were built around displays in the "Man and the Atom" show that showed to more than 100,000 persons in New York City and then later was shown in Oak Ridge.

## Hamrick And Ivy Continue Splendid Attendance Record

Continued from Page 1

ment dates in the plant have been somewhat responsible for their superlative attendance records. However, there are a number of other Y-12ers with no absences to their credit but over a shorter length of time with the organization.

The records of continuous service by Hamrick and Ivy not only are a source of pride to them—but also demonstrates the dependability of the pair to Y-12. Their records and the fine attendance marks of others in Y-12 greatly increase the efficiency of the organization as they all are found on the job when needed.

### "Pat" Put Many To Work

Hamrick—known from one end of Y-12 to the other as "Pat"—just shrugged his shoulders helplessly when asked to estimate the number of Y-12ers he has contacted in his official capacity during his seven years with the organization. As an assistant chief investigator and interviewer he has aided in putting many employees to work and on the payroll, particularly back during the hustle and bustle days in the early history of the plant when new employees were pouring in, sometimes at a rate of several hundred per day. Then after World War II and reorganization of Y-12, Hamrick helped many more employees in their terminations.

"Pat" also has taken on during the past two or three years the task of aiding employees in compiling and filing their income tax returns and many have been the somewhat bewildered taxpayers who have come to him for—and received—valuable assistance. Then, too, he has been a key man in Community Chest and Red Cross drives in the plant in consolidating returns and reports from throughout Y-12.

### Ivy Drove Recruiting Bus

Ivy, like Hamrick, doesn't have any idea of the hundreds of thousands of miles he has driven motor vehicles for Y-12. In the early days of his employment he drove big buses on trips to recruit employees for the plant—ranging from Kingsport, Tenn., to Little Rock, Ark., and intermediate points on these assignments. Many of the prospective employees he brought to Knoxville and Oak Ridge were routed through Hamrick in his capacity as an interviewer.

After this assignment Ivy started driving an automobile on Company business between Y-12 and Knoxville, running innumerable errands and carrying passengers on official duty. In addition to his driving on Company affairs, Ivy also commutes to and from his home in Knoxville daily.

### Thought He Had Mumps

Ivy cannot remember any particular incident that might have threatened his seven years without an absence—despite the vagaries of the weather and other circumstances that could have broken his record. Hamrick, on the other hand, has had a couple of narrow escapes. Once a flood-blocked road between his former home in Harriman and Oak Ridge



**CITIZENS OF TOMORROW SHOW HOW MILK IS HELPING them grow strong and healthy is a timely caption for the above picture as the six healthy and milk-drinking little girls are shown with their teacher. From left are Sandra Coler, Kennon Breazeale, Barbara Jean Lyle, Miss Aileen Salmons, teacher of the youngsters; Donna Sue Cagle, Susan Connolly, Sandy Salina and Susan Carson.**

## Chemistry Of Milk And Milk Products Topic Of Headlines In Chemistry Program Sunday

"The Chemistry of Milk and Milk Products" will be the topic of discussion on the Headlines in Chemistry radio program to be presented over WATO at 9:15 o'clock Sunday night, August 6. C. Bramblett, of the Atomic Energy Commission and former Y-12 employee, will be the principal speaker with J. L. Rusicka, also of AEC; and Warren Reysen, of K-25, as hosts on the program sponsored by the East Tennessee Section of the American Chemical Society.

## Rain Interrupts Y-12 March Over K-25 Women Netters

That mean old weather man jumped in with a bucket of rain last Thursday night to break up a victory march by the Y-12 women's tennis team over K-25 that had all the appearances of becoming a clean sweep. As it was only two singles victories went into the books and the interrupted engagement will be played off later, with play starting where it left off.

Mary Freestone beat Kermicle 6-2, 6-1 and Elizabeth Patrick trimmed Gurney 6-4, 6-4 in completed singles matches. Mozelle Rankin was leading Wade and Lovelle Thompson had rallied to tie Gilbert at five-all when came the rains. In doubles Helen Burkhalter and Mae Hale were leading Myers and Gwaltney and Desma Hutcheson and Grace Peters, a newcomer on the Y-12 team, were ahead of Michele and Holmes, when the shower concluded operations.

The Y-12 lassies are scheduled to meet K-25 again next Tuesday, August 8, and hoped to get in a postponed tilt against ORNL Monday night of this week.

forced him to report to the Y-12 Knoxville office instead of to Oak Ridge. Then just a little more than one year ago "Pat" was sorely troubled—he thought he had the mumps. However, a quick throat spraying and medical examination showed only a gland swelling and sore throat that did not necessitate an absence.

Whatever the coming year has in store for history certainly is a matter for great conjecture—but it is a pretty safe bet that barring dire emergencies when August 1951 rolls around the attendance records of Paschal Hamrick and Briscoe Ivy will still be intact.

Keep a safe work place.

## 'Stopping On Dime' Depends On Dry, Efficient Brakes

"Stopping On A Dime" long has been presumed to be a criterion of ability to make fast stops or short turns by drivers of motor vehicles. To be able to perform this feat the automobile or truck must have, most of all, brakes in good operating condition.

### Water Can Nullify Brakes

In adverse weather or road conditions brakes otherwise considered in good operating condition can prove faulty. Experienced drivers know that driving through water sufficiently deep to immerse brake shoes can produce a serious driving hazard—sometimes entirely doing away with the power of brakes to stop the vehicle.

The extent of this danger depends on condition of brake shoes at the time they are exposed to water. Brake materials worn smooth and glazed in finish, paradoxically, are least affected by the infiltration of water into the fibres of the friction material. Brake shoes not surface hardened soak up considerable quantities of water and thus the co-efficient of friction between shoe and brake drum is dangerously lessened.

### Brakes Should Be Tested

Motorists finding it necessary to drive through water to pass through submerged roads or streets, to ford streams or otherwise expose brakes to wetting hazards should immediately play safe by testing the braking ability of the vehicle to determine the new "feel" of the brakes and the distance limitations for stopping. It also is important to learn if braking action is still balanced for all four wheels, especially the front units where serious inequality may cause a serious swerve to one side or the other.

Water thus acquired by brake linings can be eliminated by running the vehicle slowly with foot brakes partially applied. The applied brakes will both squeeze the water out and the friction will help evaporate the excess moisture. Brakes should be continually tested during such periods to determine when they return to normal.

## 'Cyrano de Bergerac' Picked On Favorite Story Program

The romantic novel "Cyrano de Bergerac," by Edmond Rostand, will be presented on My Favorite Story radio program Sunday night, August 6. The broadcast will be staged over Oak Ridge Radio Station WATO from 7 p.m. to 7:30 p.m.

Ronald Coleman, radio and screen actor and commentator on the weekly program, personally selected "Cyrano de Bergerac" as his favorite story for the broadcast next Sunday night.

low temperature and then adding sugar as a preservative will be explained as will be the making of evaporated milk by reducing the volume by slightly more than half through evaporation and then canning the finished product so that it will keep indefinitely.

Team up against accidents.

## Lockhart Is Leading In Sail Boat Racing

George Lockhart, veteran sail boat skipper of Y-12, is current leader in the Oak Ridge Power Squadron sailing competition for the John Angele Memorial Trophy for Sunray type craft for the present season. Out of two races held so far on the Concord Park waters Lockhart has won one race and finished third in the other to lead in points.

The next sail boat racing program by the squadron will be held next Sunday, August 6, on Fort Loudoun Lake off Concord. In addition to Lockhart's craft, there are three other Sunrays in the competition. Lockhart is defending champion of the Angele trophy, offered by G. J. Angele, also of Y-12 and vice commander of the squadron. The trophy is in memory of the father of G. J. Angele.

Another Y-12er soon will have a sailing craft ready for participation in the squadron activities. Paul Wilkerson now is constructing a sailing scow type of craft that has proven popular with boating enthusiasts. It is being built at squadron headquarters on Emory Road in Oak Ridge.

### Y-12ers Take Examination

An examination in seamanship was given recently by Angele and a number of Y-12 sailors were among the group taking the tests after a training course of several weeks. They included Dr. E. D. Shipley, Harry Cupp, Ed Richardson and Wilkerson. Mrs. E. D. Shipley also took the examination.

## 'Mole' Life Said Not Necessary

Capt. Melville J. Aston, commanding officer of the medical school at the National Naval Medical Center, Bethesda, Md., is quoted in recent news stories as declaring there is no need for Americans to live underground like moles in fear of atomic attacks, Captain Aston recommended, instead, an ever-alert public, prepared morally, and psychologically and medically and ready to face the exigencies of the age. His ideas were expressed in a talk "The Atomic Bomb versus Survival" at a meeting of the Hartford County Medical Association, Hartford, Conn.